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(54) Title: **WIRELESS MOBILE VEHICLE REAL-TIME TRACKING AND NOTIFICATION SYSTEMS AND METHODS RELATED THERETO**

(57) Abstract: The present invention features a system and methods for notifying passengers of an approaching vehicle. Utilizing such a system and methods, passengers can remain in a safe, controlled environment, avoiding harsh environmental conditions and excessive waiting times, instead arriving at their pick-up point closer and prior to a vehicle's arrival. More specifically, the present invention relates to a bus notification system (100a) wherein passengers are able to know the location and estimated arrival time of the bus several minutes before its arrival at a specified location along the bus route. The present invention also features a system and methods for locating an in-transit vehicle and for providing real-time mapping and monitoring of such in-transit vehicles.

WO 03/069576 A1